

HYBRID HIBISCADELPHUS (MALVACEAE) FROM HAWAII

Ken Baker and Suzy Allen
Mauna Loa Field Station
Hawaii Volcanoes National Park
Hawaii

Numerous trees which have been found to be intermediate in certain flower and leaf characteristics between two rare, endemic Hawaiian species, Hibiscadelphus giffardianus Rock and H. hualalalensis Rock, are growing under cultivation within Hawaii Volcanoes National Park and elsewhere in Hawaii.

Our analyses of the putative hybrids demonstrate the trees are crosses between the two species and we choose to name them

HIBISCADELPHUS X PUAKUAHIWI K. Baker and S. Allen, Hybrid novum.

Diagnosis holotypi: Arbor Hibiscadelphus giffardianus Rock X Hibiscadelphus hualalalensis Rock ad 13 m alta est; foliis orbicularibus vel cordatis subacuminatis; floribus convolutis tubulosis ad apicem apertis, magenta vel viridi-maculatis; calycibus saccatis 2-5 fidis; 4-7 bracteis liberis ad 16 mm longis.

Holotypus: HAWAIIAN ISLANDS: Hawaii: Hawaii Volcanoes National Park, Kipuka Ki, 4300' elevation, cultivated Fl hybrid, tree No. KK-HX-1, ca. 13 m high, 15 years of age. November 3, 1975. K. Baker and S. Allen, No. 101 (BISH).

Epithet: Hawaiian language pua meaning "flower, progeny of, or derived from" and kuahiwi from "hau kuahiwi" the Hawaiian common name for any tree of the genus Hibiscadelphus. The hybrid name puakuahiwi is intended, therefore, to mean a "flower derived from species of hau kuahiwi."

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